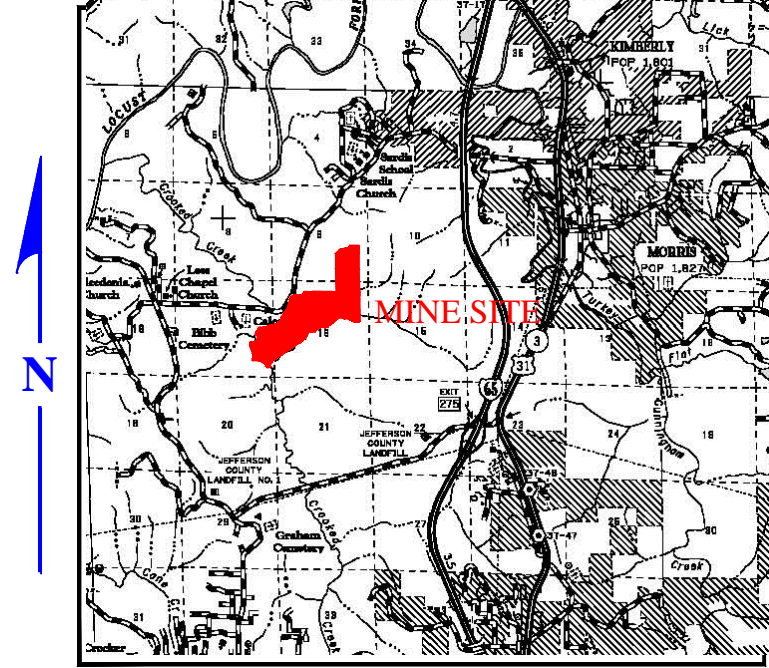


INCREMENT COLOR CODE

- INCREMENT NO. 1
- INCREMENT NO. 2
- INCREMENT NO. 3
- INCREMENT NO. 4
- INCREMENT NO. 5
- INCREMENT NO. 6

VICINITY MAP



SCALE: 1" = 2 MILES

MAP LEGEND

- ASMC PERMIT AREA
- PREVIOUSLY SURFACE MINED
- SURFACE OWNERSHIP DIVIDE OTHER THAN QUARTER/QUARTER LINE
- MINERAL OWNERSHIP DIVIDE OTHER THAN QUARTER/QUARTER LINE
- SURFACE OWNERSHIP
- MINERAL OWNERSHIP
- FEE OWNERSHIP (SURFACE & MINERAL)
- EXISTING HIGHWALL
- RECLAMATION CROSS-SECTION/ SLOPE MEASUREMENT
- PUBLIC ROAD
- PRIVATE ROAD
- PRIMARY ROAD
- ANCILLARY ROAD
- NEW CASTLE SEAM COAL CROPLINE
- MARY LEE SEAM COAL CROPLINE
- BLUE CREEK SEAM COAL CROPLINE
- JAGGER SEAM LIMITS
- DRAINAGE COURSE
- INTERMITTENT AND/OR PERENNIAL STREAM
- DRAINAGE DIVIDE
- SETBACK OFFSET
- OCCUPIED DWELLING
- UNOCCUPIED BUILDING/BARN, SHED, ETC.
- DIVERSION DITCH AND/OR ROADSIDE DITCH
- COAL STOCKPILE
- TOPSOIL STOCKPILE
- LAND HOOK
- GROUNDWATER MONITORING SITE
- SEDIMENT BASIN
- IMPOUNDED WATER
- ZONING I-3S
- ZONING A-1
- P-3185
- P-3987 Black Warrior Minerals Mine No. 2
- 50 FT. NO DISTURBANCE ZONING OFFSET BETWEEN A-1 AND ORIGINAL I-3S

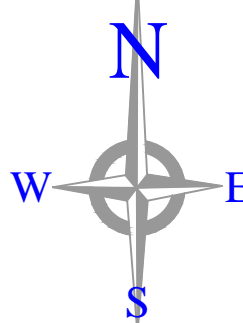
NATURE OF REVISION R-7

- Modify the operation plan to show spoil area from P-3987.
- Modify the reclamation plan.
- Update the general plan and re-evaluate Basins 118 and 119.
- Delete 32 acres from Inc. 4 as double bonded (under P-3987).
- Delete 37 acres from Inc. 5 (bonded under P-3987)
- Delete 5 acres from Inc. 6 (highwall access roads) as double bonded under P-3987.
- Delete 10 acres from Inc. 6 (to be bonded under P-3987, R-2)
- Delete 62 mining acres from Inc. 3 and Basin 046 to be bonded under P-3987 R-2.
- Transfer 32 mining acres from Inc. 2 to Inc. 3 for spoil area.
- Transfer 16 acres from Inc. 6 to Inc. 3 for spoil area.
- Transfer 1 mining acres from Inc. 3 to Inc. 6 for route of travel.
- Show the current route of travel.

SECTION CORNERS ARE FROM SURVEYED SECTIONS
PERMIT MAP COORDINATE SYSTEM IS
NAD 27 ALABAMA WEST ZONE (FEET)
SECTION CORNERS ON REVISION R-4 MAP
WERE FROM USGS QUAD SHEET

ADDITIONAL JEFFERSON COUNTY OFFSETS APPLICABLE ONLY TO (S-3) PROPERTY IN SECTION 9 (Recently Rezoned)

- 150 FT. NO DISTURBANCE ZONING OFFSET BETWEEN A-1 AND RECENTLY RE-ZONED TO I-3S
- 600' BLASTING OFFSET FROM OCCUPIED DWELLING
- 1000' BLASTING OFFSET FROM OCCUPIED DWELLING



CONTOUR INTERVAL: 10 FT.

SECTIONS 9, 16, & 17
TOWNSHIP 15 SOUTH, RANGE 3 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
BASE MAP: GARDENDALE U.S.G.S. QUAD.

BLACK WARRIOR
MINERALS, INC.

MINE NO. 1, P-3950, R-7

PERMIT MAP

FILE:	MINE NO. 1	SCALE:	1" = 500'	JOB NO.:	
APPROVED BY:	C.W.M.	DATE:	10-19-16	SHEET NO.:	1 OF 1

OWNERSHIP LEGEND

SURFACE OWNERSHIP

- (S-1) BLACK WARRIOR MINERALS, INC.
- (S-2) M LLC
- (S-3) SUMLEARAN, LLC.
- (S-4) CHARLES R. WILLIS & JOHN D. WILLIS
- (S-5) KENNETH S. & EILEEN T. ROGERS
- (S-6) STATE OF ALABAMA SCHOOL LANDS
- (S-7) MARY L. KNOX

MINERAL OWNERSHIP

- (M-1) BLACK WARRIOR MINERALS, INC.
- (M-2) WALTER MINERALS, INC.
- (M-3) HUDDLESTON MINERALS, LLC.

FEE OWNERSHIP

- (F-1) BLACK WARRIOR MINERALS, INC.

NOTES:

NO BUILDINGS WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.
LAND HOOK CONVEYS SURFACE AND MINERAL OWNERSHIP.
SURFACE AND MINERAL OWNERSHIP BY FORTY EXCEPT WHERE NOTED OTHERWISE.
LOCATION OF COAL AND TOPSOIL STOCKPILES ARE SUBJECT TO CHANGE.
NO CITY OR TOWN LIMITS EXIST WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.
NO CITY OR TOWN POLICE JURISDICTIONS EXIST WITHIN 1,000' OF PERMIT AREA OTHER THAN SHOWN.
NO TOPSOIL STOCKPILES SHOWN DUE TO TOPSOIL VARIANCE REQUEST.

BOND LEGEND, R-7

INCREMENT NO. 1	78.0 ACRES	INCREMENT NO. 3	70.0 ACRES	INCREMENT NO. 5	0.0 ACRES
MINING AREA	78.0 ACRES	MINING AREA	70.0 ACRES	MINING AREA	0.0 ACRES
PRIMARY ROADS	INC. NO. 6	PRIMARY ROADS	INC. NO. 6	PRIMARY ROADS	INC. NO. 6
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE	OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE	OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE
SEDIMENT BASINS 041, 042, 044	ON SITE	SEDIMENT BASINS 044	ON SITE	SEDIMENT BASIN 103	ON SITE
TOTAL BONDED AREA	78.0 ACRES	TOTAL BONDED AREA	70.0 ACRES	TOTAL BONDED AREA	0.0 ACRES
INCREMENT NO. 2	33.0 ACRES	INCREMENT NO. 4	0.0 ACRES	INCREMENT NO. 6	3.0 ACRES
MINING AREA	33.0 ACRES	MINING AREA	0.0 ACRES	MINING AREA	3.0 ACRES
PRIMARY ROADS	INC. NO. 6	PRIMARY ROADS	0.0 ACRES	PRIMARY ROADS	0.0 ACRES
OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	ON SITE	OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA	0.0 ACRES	SEDIMENT BASINS 041, 042, 044, 119 AND ACCESS ROADS	19.0 ACRES
SEDIMENT BASIN 044	ON SITE	SEDIMENT BASIN 044	ON SITE	ANCILLARY ROADS	0.0 ACRES
TOTAL BONDED AREA	33.0 ACRES	TOTAL BONDED AREA	0.0 ACRES	OFFICE, EQUIPMENT STORAGE, STOCKPILE AREA, POWDER BIN	5.0 ACRES
				TOTAL PERMIT AREA	208.0 ACRES

